2C22

2C22

AMPLIFIER TRIODE

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:°		
Grid to Plate	3.6	μμf
Grid to Cathode	2.2	μμf
Plate to Cathode	0.7	μμf
Overall Length		3-1/8" ± 1/8"
Seated Height		2-9/16" ± 1/8"
Maximum Diameter		1-5/16"
Bulb		T-9
Caps (two RCA No. 3947)		Skirted Miniature
Base		Intermediate Shell Octal 8-Pin
Mounting Position		Any

Maximum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	300● max.	volts
Plate Dissipation	3.3 max.	watts
Characteristics - Class A_1 Amplifier:		
Plate Voltage	300	volts
Grid Voltage *	-10.5	volts
Amplification Factor	20	
Plate Resistance	6600	ohms
Transconductance	3000	μmhos
Plate Current	11	ma.

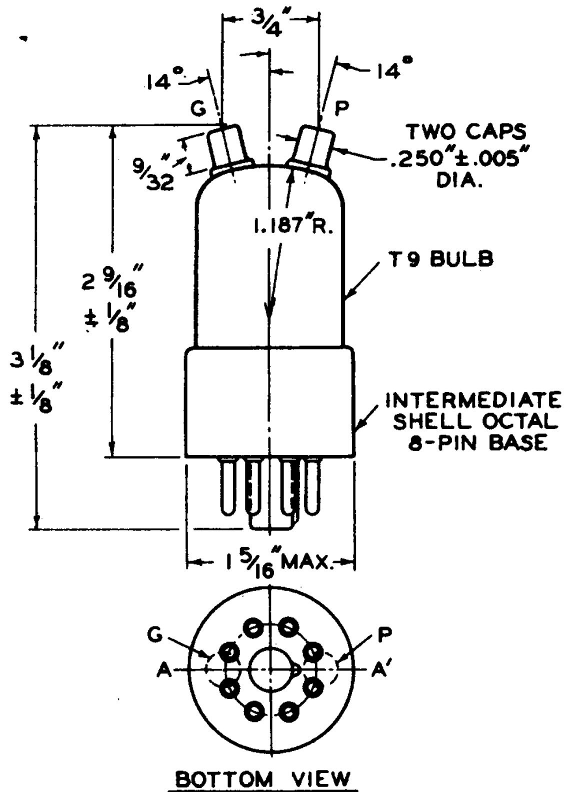
■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
° With no external shield.
● This value is for Continuous Commercial Service (CCS). In Intermittent Commercial and Amateur Service (ICAS), the plate voltage may be as high as 500 volts maximum, but the maximum plate dissipation remains unchanged.
* Under maximum rated conditions, the resistance in the grid circuit should not exceed 1.0 megohm.

The approximate resonant frequency of the input (grid-cathode) circuit is 335 megacycles.

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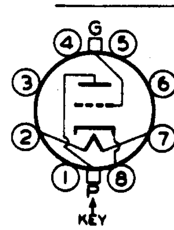
AMPLIFIER TRIODE



NOTE:
THE PLANE PASSING THROUGH THE CENTER OF EITHER CAP, PERPENDICULAR TO AND THROUGH THE CENTER OF THE BOTTOM OF THE BASE, SHALL NOT DEVIATE MORE THAN ± 5° FROM THE LINE A A' THROUGH BASE PLUG AXIS AND KEY CENTER.

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BOTTOM VIEW OF SOCKET CONNECTIONS



4AM

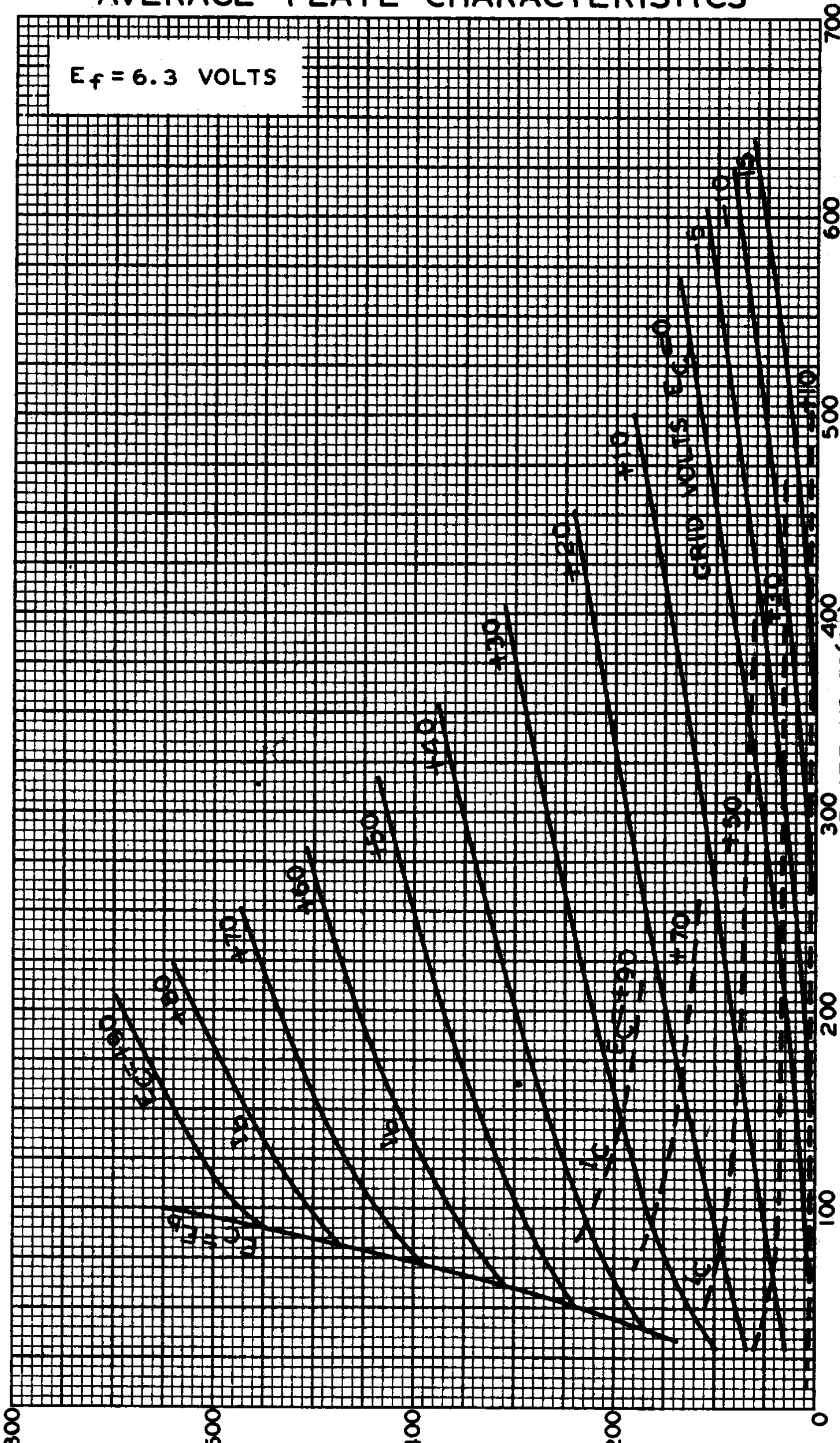
Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - No Connection
Pin 4 - No Connection
Pin 5 - No Connection
Pin 6 - No Connection
Pin 7 - Heater
Pin 8 - Cathode
Cap above Pins 1 & 8 - Plate
Cap above Pins 4 & 5 - Grid

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AVERAGE PLATE CHARACTERISTICS



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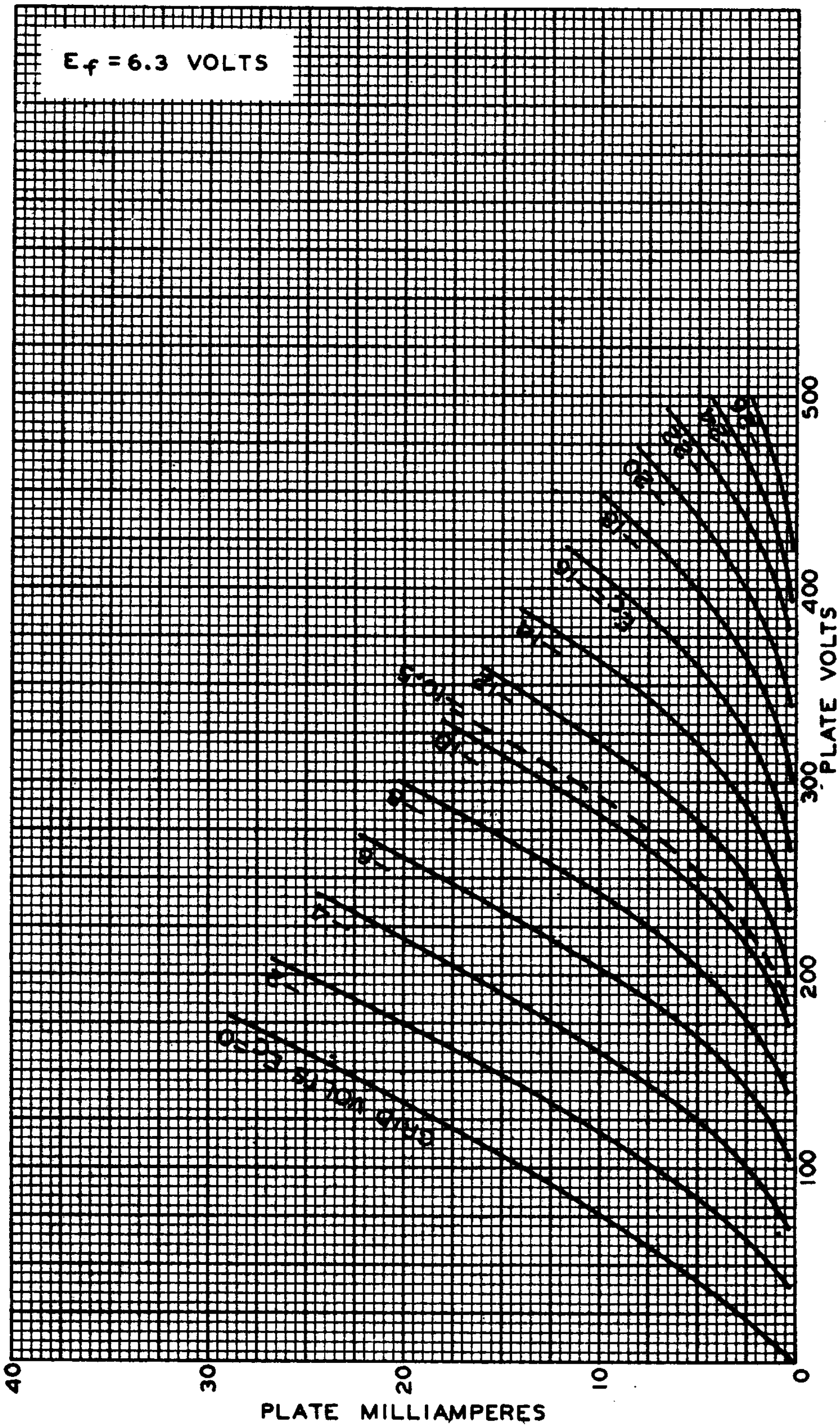
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AVERAGE PLATE CHARACTERISTICS



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